AWIPS SOFTWARE INSTALLATION INSTRUCTION NOTE 46
(for Electronics Systems Analysts, Information Technology Officers, & AWIPS Focal Points)
Maintenance, Logistics, and Acquisition Division
W/OPS12: JCS

SUBJECT : Maintenance Release OB2.4

PURPOSE : To provide installation instructions for Maintenance Release OB2.4

AFFECTED SITES : Installation of the AWIPS Software Maintenance Release OB2.4 is optional. The defects fixed by OB2.4 are also fixed in OB3. OB3 schedule is attached.

PREINSTALLATION : AWIPS Software Maintenance Release OB2.3 must be installed.
REQUIREMENTS

AUTHORIZATION : The authority for this modification note is Request for Change AB911 (OST Tracking No. is MROB2_SEC_A100480).

SECURITY LEVEL : root

ESTIMATED TIME : Approximately 20 to 35 minutes, depending on the number of
REQUIRED workstations.

EFFECT ON OTHER : File this note in EHB-13, section 3.1. Discard all previous software
INSTRUCTIONS installation instructions, prior to Build OB1 (AWIPS Software Installation Instruction Note 37) in section 3.1.

VERIFICATION : The Maintenance Release OB2.4 installation procedures were tested
STATEMENT and verified at Buffalo, NY (BUF), Greer, SC (GSP), Newport, NC (MHX), Raleigh, NC (RAH), Tampa, FL (TBW), and Topeka, KS (TOP).

TECHNICAL : For questions or problems regarding these installation instructions or
SUPPORT installing MROB2.4, please contact the Network Control Facility (NCF) at 301-713-9344.

GENERAL:

A. MROB2.4 Patch Summary

The MROB2.4 consists of the fixes for the following problems:

1. WarnGen pathcast excludes cities except those at the end of the pathcast (DR_13864).

2. SVS followup pathcast problems (DR_13861, DR_13924, DR_13966).

B. ROB2.4 Detailed Problem Description:

1. WarnGen pathcast excludes cities except those at the end of the pathcast (DR_13864).

Several OB2 sites in Eastern Region (GSP, BGM, BUF) reported that only cities near the expiration time of the warning show up in the pathcast. Also, BUF could not get a city in the pathcast that is directly under the storm.

It was determined that the problem was due to a Linux time bug and can be seen with either OB1 or OB2 templates. The solution modifies the code and corrects the bug.

2. Product SVS followup pathcast problems (DR_13861, DR_13924, DR_13966).

Several OB2 sites noticed that when using a SVS to follow up on an initial warning, there were a few occasions where the storm track was displaced from the initial warning by as much as 100 miles. There were two separate code corrections with this, including adding a check that will redirect the storm track back into the polygon, if needed. It should be noted that due to current software limitations, the storm track may be shifted from 3 to 8 miles on any followup SVS statement.

C. Pre-installation Guidelines

1. ROB2.3 must be installed.
2. Check http://www.ops1.nws.noaa.gov/awips_softwre.htm web page for the lessons learned document for this release.
3. Logout of all D2D sessions on Linux, and HP workstations (if applicable).
4. Log out of all Text Workstations.

    This completes the pre-installation procedure.

D. Maintenance Release Download and Installation Procedure

1. Installer must be logged into ds1 as `root`:

    rlogin ds1-<site> -l root
2. Change to the `/data/local/ROB2.4` directory:

    cd /data/local/ROB2.4
3. Create a script output log file:

    script -a ROB2.4.out
4. Uncompress the release bundle:

    zcat ROB2.4.tar.z | tar xvf -

5. Run the installation script:

    ./installROB2.4

6. Stop the script output log file:

    ./stopscript

    This completes the maintenance release download and installation procedure.

E. Post Installation Checkout Procedure

1. Check for files that may not have been removed/copied correctly.

2. Type:

    grep busy ROB2.4.out

NOTE: 1. Look for any "cannot write: Text file busy" message. If present, remove/copy the file manually.

NOTE: 2. Users can log back into their D2D sessions and the text workstations at this time.

F. Post Installation Localizations

To enable the corrections for SVS Followup Pathcast problems, the following steps need to be performed after the installation:

NOTE: 3. Following the localization steps below, it is recommended that users log out of all sessions again and log back into their workstation. This will enable the latest localization changes.

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1. On DS1 as user 'fxa', execute the following "forced" localization (duration = 10 to 15 minutes):

    rlogin ds1 -l root
    su - fxa
    cd /awips/fxa/data/localization/scripts
    ./mainScript.csh f -station
    exit

2. Upon successful localization, on DS1 as user 'root', execute the following "push" script (duration = 5 to 10 minutes; site-specific based on number of workstations):

    rlogin ds1 -l root

```
cd /data/local/ROB2.4
script -a push_localization_ROB2.4.out
./push_localization_ROB2.4
./stopscript
exit
```

G. Reporting Instructions

Report the completed software installation using the Engineering Management Reporting System (EMRS) according to the instructions in NWS Instruction 30-2104, Maintenance Documentation, Part 4, and Appendix F. Include the following information on the EMRS Report:

Block #	Block Type	Information
5	Description	Install AWIPS Maintenance Release OB2.4 (patch bundle # MROB2_SEC_A100480)
7	Equipment Code	AWIPS
8	Serial Number	001
15	Comments	Installed Maintenance Release OB2.4 (patch bundle # MROB2_SEC_A100480) I.A.W. AWIPS Software Installation Instruction Note 46.
17a	Mod. No.	S46

A sample EMRS report is provided as attachment A.

Mark S. Paese
Director, Maintenance, Logistics, and Acquisition Division

Attachment A - EMRS Report Sample
Attachment B - AWIPS OB3 Schedule

Attachment A - Sample EMRS Report

A26 Detail Form - ESCM2, SILVER SPRING, MD :: JOHN MERHI - Microsoft Internet Explorer

New A26   Commit A26   Place on Hold   Copy A26   Delete A26   Detail Report   Document Summary   Help

GENERAL INFORMATION

NEW RECORD   WFO* TBW   Document No.* TBW40224009

1. Open Date	Open Time	2. Op Initials	3. Response Priority		4. Close Date	Close Time
02/24/2004	09:00	WSH	○ Immediate ○ Low ○ Routine ● Not Applicable		02/24/2004	10:00

5. Maintenance Description   420   characters left   AWIPS

Download and Install AWIPS Maintenance Release OB2.4 (Patch # MROB2_SEC_A100480)

EQUIPMENT INFORMATION

6. Station ID*	7. Equipment Code	8. Serial Number	9. TM	10. AT	11. How Mal
TBW	AWIPS	001	M	M	999

Alert: Time Remaining:
                            (For Block 12 use only)

13. PARTS USAGE and CONFIGURATION MANAGEMENT REPORTING

ASN	Vendor Part No. (New Part)	Serial Number (Old Part)	Serial Number (New Part)	
				New Row
				Delete Row

14. WORKLOAD INFORMATION

a. Routine		b. Non-Routine		c. Travel		d. Misc		e. Overtime	
Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes
						1			

MISCELLANEOUS INFORMATION

15. Maintenance Comments   663   characters left

Downloaded and installed AWIPS Maintenance Release OB2.4, I.A.W. AWIPS Software Note 46

16. Tech Initials
GAF

17. SPECIAL PURPOSE REPORTING INFORMATION

a. Mod No.	b. Mod Act/Deact Date	c. Block C	d. Trouble Ticket No.	e. Block E
S46	2/24/04			

Commit A26   Place on Hold   Copy A26   New A26   Cancel

Attachment B - AWIPS OB3 Schedule

Home: Calendar - Awips schedule

⬖ March 2004 ⬗   Jump to 03/08/2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	Mar 1	2	3	4 ☐ OB3b - HNX	5	6
7 ☐ Note: deployment start data has been moved to 3/10	8 ☐ OB3b - MHX	9	10 ☐ OB3 - BIS ☐ OB3 - JKL ☐ OB3 - OUN	11 ☐ OB3 - EAX ☐ OB3 - GID ☐ OB3 - MPX	12 ☐ OB3 - NTCA ☐ OB3 - NTCB ☐ OB3 - NTCC ☐ OB3 - NTCD	13
14	15 ☐ OB3 - FSD ☐ OB3 - KRF ☐ OB3 - TOP	16 ☐ OB3 - GLD ☐ OB3 - RIW ☐ OB3 - UNR	17 ☐ OB3 - ABR ☐ OB3 - BYZ ☐ OB3 - HGX	18 ☐ OB3 - ICT ☐ OB3 - PUB ☐ OB3 - TSA	19	20
21	22 ☐ OB3 - IND ☐ OB3 - LBF ☐ OB3 - MAF	23 ☐ OB3 - FGF ☐ OB3 - GGW ☐ OB3 - LSX	24 ☐ OB3 - AMA ☐ OB3 - PAH ☐ OB3 - TFX	25 ☐ OB3 - HFO ☐ OB3 - LMK ☐ OB3 - MSO	26	27
28	29 ☐ OB3 - AKQ ☐ OB3 - ARX ☐ OB3 - DLH	30 ☐ OB3 - ABQ ☐ OB3 - BUF ☐ OB3 - LZK	31 ☐ OB3 - CYS ☐ OB3 - JAX ☐ OB3 - RAH	Apr 1 ☐ OB3 - DTX ☐ OB3 - FWD ☐ OB3 - SJT	2	3
Sun	Mon	Tue	Wed	Thu	Fri	Sat